



DURGA VALVES PRIVATE LIMITED

TECHNICAL DATA OF ALLUMINUM OPEN CHANNEL SLUICE GATE

Purchaser :

Contractor :

Fluid to be Handle

Design Std.

Temperature

Type of Gate

Type of Spindle

Type of Mounting

Type of Head

Type of Application

Type of Sealing

Type of Opening

Type of closure

Operation

Lift Mechanism Position

Top of Water Level

Distance between operating platform and hand wheel to be kept for easy operation

: Raw Water

: Mfg. Std.

: Ambient

: Self contained type gate with operating mechanism mounted on the yoke of the gate frame

: Rising Spindle

: Channel/Frame mounted in between two parallel walls

: Seating as well as Unseating

: For regulating flow in and out of conduit.

: Two vertical and bottom sides of gate aperture

: Upward opening

: Flush bottom closure

: Manually Hand Wheel

: Mounted directly on yoke provided on gate frame

: 100mm to 200mm less than gate height.

: 900mm (approx) Recommended

Material of Construction

Gate Frame & Slide/Shutter Gate

Spindle & Pin

Stem Nut

Resilient Rubber Seal & Flush bottom seal

Seating faces

Seal retainer strip

Assemble bolts nuts & fasteners

Yoke

Headstock

Hand wheel

: Aluminum alloy 6061 T6

: S.S. to AISI-304

: L.T.B. to IS:318 Gr. LTB 2

: EPDM Rubber

: S.S. to AISI-304

: S.S. to AISI-304

: S.S. to AISI-304

: M.S. to IS:2062 Gr. A

: C.I. to IS:210 Gr. FG-200

: C.I./M.S.

Testing

Testing Standard :

* Dimensional Check * Smooth Movement test

* Seat Clearance Check

Inspection

Performance Test : Witness & Test Report

Visual : Witness & Test Report

Material Test : Test Report

Quantity

Note :

Size
(NB)

Qty.
(Nos)

Service / Application

1. Gate should closed with clock wise rotation of H/W. (Direction of 'Open' & 'Shut' mark cast on Hand wheel)
2. Manual lift mechanism to enable a single person to operate gate with effort < 180 Nm.
3. Painting: One coat of red oxide primer & finally two coats of black bituminous paints before dispatch.
4. Gate travel indicator shall be provided on the stem protecting cover to indicate the position of door will be provided for only gear headstock gate.
5. Marking: Brand/Size/Class/Heat No. & SI. No.
6. Length of Chain required for open & closed operation at least (Top of hand wheel to platform level height.)
7. Operation by electrical actuator shall be as per scope of requirement.

PREPARED BY
P.R.

SHEET 1 OF 1

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DATE
18/02/14